

HARIKA BANDELA

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EDUCATION

Master of Science in Information Technology

Arizona State University, Tempe, AZ

January 2022 - December 2023

GPA: 4.0/4.0

Bachelor of Technology in Information Technology

Bhoj Reddy Engineering College for Women - Hyderabad, India

August 2017 - August 2021

GPA: 8.1/10.0

TECHNICAL SKILLS

Languages: Python (Pandas, NumPy), Java, C, C++, JavaScript, Scala, TypeScript, C#.

Web Technologies/Frameworks: HTML5, CSS, Bootstrap, React JS, React Native, PHP, JSP.

Framework: Spring Boot, Node JS, Hibernate, REST, Apache Spark, Hadoop, Angular, Django, Flask, Express JS.

Tools: AWS (EC2, ECS, IAM, Amplify, CloudWatch, Lambda, API Gateway, S3), GCP, Azure, Jenkins, Jira, Docker, Git, Postman.

Databases & OS: SQL (MySQL, PostgreSQL, Oracle), NoSQL (MongoDB, DynamoDB), Linux, Windows.

Testing & Methodologies: Junit, Cypress, Selenium, Agile, Scrum, Waterfall.

Relevant Courses: Data Structures and Algorithms, Database Management Systems, Data Visualization, Software Engineering.

PROFESSIONAL EXPERIENCE

Software Engineer

August 2021 - December 2021

Dell Technologies

Bangalore, India

- Strengthened technical solutions for 15+ clients, integrating VMware, backup/recovery, ITIL, Agile, Scrum, and DevOps.
- Executed ETL from a SQL database with 10,000 transactions and created a dashboard in Microsoft Power BI.
- Innovated a Docker-focused monitoring solution using Prometheus, Kubernetes, and CI/CD pipelines, seamlessly integrating with AWS Code Pipeline or Jenkins to generate alerts and improve system reliability by 25%.
- Automated troubleshooting based on infrastructure, platform, network issues using Java 8 and Spring Boot including building and integrating APIs for improved system stability and delivering reliable IaaS services to clients.

Software Engineer Intern

January 2021 - June 2021

Void Main Technologies

Hyderabad, India

- Deployed an eCommerce website using Django, Python, Bootstrap, HTML, CSS, and JavaScript, achieving 100% uptime.
- Linked PayPal as a payment method and designed a user-friendly checkout flow for both registered and guest users.
- Optimized Response time by 15% by resolving bugs to optimize web APIs and provide a smooth user experience.

Software Engineer Intern

July 2020 - December 2020

Wstazure Software Solutions

Hyderabad, India

- Developed and implemented a new feature to improve system performance by reducing query response time by 30%.
- Collaborated with design team to implement a responsive user interface, resulting in 20% increase in user satisfaction.
- Evaluated 20 code submissions in Jira, improved REST API practices, reduced bugs by 15%, enhanced data integrity. Utilized Tableau for results visualization and maintained code quality through continuous integration of cloud-based microservices.

PROJECTS

Social Research Organization Web Application, ASU

April 2023 - May 2023

- Empowered automatic scaling using a launch template, resulting in a 50% reduction in server downtime during peak traffic.
- Configured SSL/TLS encryption and secured application, reducing risk of unauthorized access by 70%.
- Leveraged AWS S3, API Gateway, Lambda, DynamoDB, and CloudWatch for seamless integration and monitoring.

Chatbot Broadcasting Server, ASU

April 2022 - May 2022

- Implemented deployment of chat server, providing user access, and broadcasting capabilities, leading a team of 3.
- Transformed a chat server using Python, and TCP Sockets for 100% effective communication and functionality.

Student Admission Management System, ASU

March 2022 - April 2022

- Engineered an interactive platform to maintain records of 500,000 users and transactions of admission management.
- Modelled data using Docker to deploy, NoSQL, and JSON for storing and modifying student data in database.

On-Road Vehicle Breakdown Assistance Finder, BRECW

January 2021 - April 2021

- Developed an Android app in Android Studio using Java and Google Maps API, and Git version control, resulting in a 90% increase in issue resolution for drivers seeking vehicle breakdown assistance, while incorporating Google Firebase Cloud Messaging for effective communication between drivers and assistance providers.

ToDoMatic, BRECW

September 2020 - November 2020

- Customized web-based full-stack to-do app, built with Node.js, React, Redux, Express, Git and MongoDB.
- Verified with a responsive design optimized for multi-device compatibility, with a 20% increase in task completion rate and a 30% reduction in time spent on task management, enhancing productivity and user satisfaction.